

# PPD Series

## High Temp Environment

Industrial LED Lighting



5935 West 84th St. | Indianapolis, IN 46278 | 1-800-840-5635 | www.SolasRay.com

Cat. #	Type
Notes	



**115°C / 239°F**  
Max Ambient Temperature!



### CERTIFICATIONS / RATINGS



CERTIFIED  
**UL 1598**

**IP66**



### KEY FEATURES AND BENEFITS

- Rugged industrial LED task light engineered for temperature extremes, wet environments, and long term reliability.
- Ambient temperature range of -80°C (-112°F) to 115°C (239°F).
- Great solution for punishing environments like inside paper rolling machines.
- Proprietary Driver-on-board (driver-less) LED modules.
- Replaceable LED modules for low long term cost and long fixture life.
- Surge protection: 15kV single / 20kV double / 25kV triple / 30kV quadruple.
- Available in single, double, triple and quadruple configurations.
- High vibration resistance featuring Nord-Lock® washers.
- Optional chemical repellent PVDF coating for extra tough corrosion resistance.
- AWM style 4476 - 600V / 200°C rated power cord / stainless steel cable gland.
- Trade Agreement Act Compliant.
- Radiation hardened version available (PPD-RH Series).

### SPECIFICATIONS

<b>Voltage</b>	120VAC / 277VAC / 347VAC / 480VAC
<b>Wattage</b>	20W / 35W / 40W / 60W / 70W / 80W 105W / 140W
<b>Color Temp</b>	5000Kelvin
<b>Housing</b>	Die-cast aluminum
<b>Color</b>	Black
<b>Lens</b>	Tempered glass
<b>Ambient Temperature</b>	-80°C (-112°F) to 115°C (239°F)
<b>Lifetime</b>	~100,000 hrs L <sub>70</sub> @ 65°C ~26,280 hrs L <sub>70</sub> @ 105°C
<b>CRI</b>	>70
<b>Beam Angle</b>	110°
<b>Protection</b>	IP66

#### LUMENS - 20W Modules

PPD-20X1	PPD-20X2	PPD-20X3	PPD-20X5
2,500	5,000	7,500	10,000

#### LUMENS - 35W Modules

PPD-35X1	PPD-35X2	PPD 35X3	PPD 35X4
4,375	8,750	13,125	17,500

#### WARRANTY

Ambient Temperature	Warranty Length
65° (149°F) Max Ambient Temp.	5 Year Limited Warranty - L <sub>70</sub>
85° (185°F) Max Ambient Temp.	3 Year Limited Warranty - L <sub>70</sub>
115°C (239°F) Max Ambient Temp.	1 Year Limited Warranty - L <sub>70</sub>

### PRODUCT ORDERING SELECTION

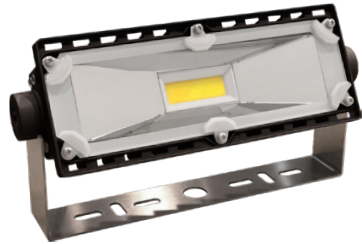
<b>PPD</b>	-		-	<b>50</b>	-		-	<b>AB</b>	-	
<b>Series</b>	<b>Watts / Modules</b>		<b>Kelvin</b>		<b>Voltage</b>		<b>Mounting Options</b>		<b>Other Options</b>	
<input checked="" type="checkbox"/> PPD	<input type="checkbox"/> 20X1 - 20W single <input type="checkbox"/> 20X2 - 40W double <input type="checkbox"/> 20X3 - 60W triple <input type="checkbox"/> 20X4 - 80W quadruple	<input type="checkbox"/> 35X1 - 35W single <input type="checkbox"/> 35X2 - 70W double <input type="checkbox"/> 35X3 - 105W triple <input type="checkbox"/> 35X4 - 140W quadruple	<input checked="" type="checkbox"/> 50 - 5000K		<input type="checkbox"/> 120 - 120VAC <input type="checkbox"/> 277 - 277VAC <input type="checkbox"/> 347 - 347VAC <input type="checkbox"/> 480 - 480VAC		<input checked="" type="checkbox"/> AB - 180° Adjustable Bracket (304 Stainless Steel)		<input type="checkbox"/> PVDF - Chemical repellent coating <input type="checkbox"/> WG - Protective Wire guard	

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### MOUNTING OPTIONS

#AB - 180° Adjustable Bracket



Adjustable bracket may be used for ceiling or wall mounting.

Made from 304 Stainless Steel

180° angle adjustment.

### OPTIONAL PVDF FINISH

For harsh chemical environments, the Goliath is available with an optional PVDF coating. PVDF is a type of thermoplastic fluoropolymer derived from vinylidene fluoride. It is known for its high chemical resistance, UV resistance, and excellent weatherability.



### CHEMICAL AGENT RESISTANCE LIST

Acetamide 50%  
Acetic acid, aqueous solution 5%  
Acetic acid, aqueous solution 10%  
Ammonia solution 10%  
Benzene  
Benzine  
Boric acid, aqueous solution 10%  
Butyl acetate  
Calcium chloride solution 10%  
Carbon tetrachloride  
Chloroform  
Citric acid, aqueous solution 10%  
Cupric sulphate 10%  
Cyclohexane  
Diesel Oil  
Dioxane  
Edible fats and oils  
Ethanol 96%  
Ethyl acetate  
Ethyl ether  
Formaldehyde, aqueous solution 30%  
Formic acid, aqueous solution 10%  
Glycerine

Glykol  
Glysantin, aqueous solution 40%  
Heating Oil  
Hydrochloric acid, aqueous solution 36%  
Hydrogen peroxide, aqueous solution 30%  
Ink  
Isopropanol  
Lactic acid, aqueous solution 90%  
Linseed oil  
Methanol  
Methylene chloride  
Milk  
Nitric acid, aqueous solution 2%  
Oxalic acid, aqueous solution 10%  
Ozone  
Paraffin oil  
Perchloroethylene  
Petroleum  
Phenol, aqueous solution  
Phosphoric acid concentrate  
Potassium dichromate, aqueous solution 10%  
Propanol  
Pyridine

Salicylic acid  
Silicone oils  
Soda lye, aqueous solution 50%  
Soda solution, aqueous solution 10%  
Sodium bisulphate, aqueous solution 10%  
Sodium chloride, aqueous solution 10%  
Sodium nitrate, aqueous solution 10%  
Sodium thiosulphate 10%  
Sulphur dioxide  
Sulphuric acid, aqueous solution 2%  
Tartaric acid  
Tetrahydrofuran  
Toluene  
Transformer oil  
Trichloroethylene  
Vaseline  
Wax, molten  
Winer, Brandy  
Xylene  
Zinc chloride, aqueous solution 10%

### WEIGHTS AND DIMENSIONS

#### WEIGHTS

No. Of Modules	Weight
Single Units	4.30 lb
Double Units	8.36 lb
Triple Units	11.84 lb
Quadruple Units	15.32 lb

